Sanitized Copy Approved for Release 2010/05/26: CIA-RDP80T00246A032600090001-0 REPORT CENTRAL INTELLIGENCE AGENCY This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law. S-E-C-R-E-T 25X1 USSR (Yaroslavl Oblast) REPORT COUNTRY Area Layout and Photographs of 11 February 1957 DATE DISTR. **SUBJECT** Shcherbakov and Vicinity NO. PAGES 29 REQUIREMENT NO. RDREFERENCES DATE OF INFO. 25X1 25X1 SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE Comments Ref. page 6, point 18, the installation described may be part of the Pavlov Aircraft Engine Plant. Ref. page 6, point 22, the factory may be the 25X1 Mayak Match Factory. 3. Ref. page 7, paragraph 2, the positions from which photographs No. 6 and No. 7 were taken are not indicated on the overlay on page 13. Both 25X1 photographs were taken in the settlement Novyy Poselok. S-E-C-R-E-T#_XFBI AEC STATE #X ARMY #X NAVY 25X1 (Note: Washington distribution indicated by "X"; Field distribution by "#".)

25X1 S-E-C-R-E-T REPORT COUNTRY USSR (Yaroslav1 Oblast) DATE DISTR. 8 JAN 57 **SUBJECT** Area Layout and Photographs of Shcherbakov NO. OF PAGES 28 and Vicinity PLACE ACQUIRED NO. OF ENCLS. (LISTED BELOW) 25X1 SUPPLEMENT TO REPORT NO. DATE ACQUIRED DATE OF INFORMATION THIS IS UNEVALUATED INFORMATION 25X1

S-E-C-R-E-T -2-

1.

The following points are keyed to the sketch on page 12.

Point 1

Zavod Perebory

This factory was known locally as Zavod Perebory.

This factory was known locally as Zavod Perebory. The large complex contained many stone buildings.

there seemed to be very little activity there. See Photograph 1.

Point 2

Perebory Prison Camp

Most of the prisoners in this camp were civilians. both males and females,

25X1

25X1

Point 3

Dam with Water-Level Gates

The dam was constructed of reinforced concrete. The difference between the water level of the lake on one side of the dam gates and the water level of the river (the lower point) on the other side of the gates was eight meters. The site was guarded by an armed military guard at all times. A road ran across the top of the dam. See Photographs 2 and 3.

Point 4

Locks

There were two parallel locks, each 300 m long and 60 m wide, but the southern lock was used almost exclusively. It took eight to ten minutes for a ship to get through a lock. The locks were capable of accommodating rafts up to 300 m long. See Photographs 2, 3, and 47.

S-E-C-R-E-I

Point 5

Novvy Poselok Settlement

The construction of Novyy Posëlok (also known as Mekh Zavod I settlement) was completed in 1952. It consisted of about 50 Finnish-type houses which were assigned to Germans, _______ In ______ 25X1 1954, five large wooden barracks were added in which Soviets were quartered. Photographs 5-7, 9, and 13 show typical scenes in and near this settlement.

Point 6

Mysino Village

Mysino was an old village comprised of log houses. The inhabitants either were farmers or worked in the nearby crane factory, Mekh Zavod 1 (Point 25). See Photographs 8 and 12/.

Point 7

New Construction

A three-story brick building was in the process of construction.

It was rumored that the building was to be a chemical plant. The factory had its own pumping station on the river, west of Point 5 above. See Photograph 9.

Point 8

Radio Transmitter and Parabolic Radar Reflector

within a guarded area, surrounded by barbed wire, 25X1 were located several small one-story buildings. The area was sandy and was largely covered with young birches, pines and other trees. Within the area, a small military short-wave transmitter and the smaller of two parabolic radar reflectors. See Point 10 for further details. The reflector was two meters in diameter.



Military Housing and Storage Area

Several small, one-story, stone buildings, constructed in 1954, were located within a wooded area (near Point 8) and were visible from the nearby road. The military personnel assigned to the antiaircraft battery (Point 10) were quartered here. There also were several small, one-story, stone buildings which had wooden shutters instead of windows. On one of 25X1 these buildings, a most Smoking sign.

the ammunition for the antiaircraft guns // see Foint 10/ was stored here. several telephone lines leading into the area.

S-E-C-R-E-1

25X1

Point 10

Antiaircraft Battery and Parabolic Radar Reflector

at least six antiair- 25X1 From a distance, craft gum barrels protruding above the treetops, which at that time were only about four meters these barrels on several occasions and each time they were pointing in different directions. the caliber as 12 cm. 25X1 gunfire, about once a month, which sounded like heavy artillery or antiaircraft guns. 25X1 the firing had not come from the direction of the antiaircraft position described 25X1 above; the sound of the firing came from a more westerly direction. any 25X1 firing practice in the area. There were also at least two searchlights in the immediate vicinity of this area, but he could not pinpoint their location. Several times, during the night, 25X1 as many as nine searchlight beams trying to spot passing planes. but only from 25X1 a distance, a steel transmitting tower. It was located in a clearing and protruded about four or five meters above the young trees nearby.

The antiaircraft battery was equipped with radar, consisting of two movable parabolic reflectors, four meters in diameter. (The smaller reflector was located in the area Point 8). There may have been more reflectors.

25X1 25X1

Each reflector was operated by two soldiers who sat at its base. The reflector in this area was visible from the north corner of the road (Point 11), where the road turned sharply to the scuth. The distance from this point to the radar reflector was less than 200 m. The entire area was surrounded by a two-meter high barbed-wire fence which was guarded and patrolled at all times by armed guards, who were accompanied by dogs at night. This seemed to be a permanent installation.

Point 11

Road

Constructed prior to 1952, the road was in excellent condition. It was cobblestoned, was six meters wide, and had a one-meter wide drainage ditch on both sides. The section drawn on the overlay does not appear on the Massic. The road passed the power plant

S-E-C-R-E-T -5-

(Point 13) and connected with the road to Vologda N 59-20, E 39-40 on the east, and led past the locks (Point 4) to Perebory and Shcherbakov on the west. See Photographs 9 and 147.

Point 12 Sheksna Settlement

In Sheksna /N 59-15, E 38-45/ were several new (constructed in 1952-1954), three-story, stone buildings which housed workers of the power plant (Point 13). The settlement was named after the river which flowed through this area prior to the construction of the dam.

Physical Property Point 13 Hydroelectric Power Plant

This was a concrete structure, 150 m \times 50 m \times 15 m, with a saw-toothed sheet-metal roof (seven ridges). The cranes which raised and lowered the water gates were visible on the northwest (lake) side of the plant.

there were seven cranes. On the southeast (river) side of the plant, the water rushed out of the plant with great force. The building was guarded by armed military sentries.

Point 14 Area Containing Transformers and Oil Switches

there were a great many transformers and oil switches in this area and that the high-tension line (Point 23) originated here. Two three-phase lines went south in the direction of Moscow, and one three-phase line went in a northeasterly direction past the power plant. Each line consisted of three cables; one line possibly had two ground wires. Along the section which crossed the Volga River, there definitely were two ground wires.

during rain, snow blizzards, or fog, the insulation on the power line sprayed sparks which interfered considerably with radio reception. Every time this phenomenon occurred, which was located almost two kilometers from the power line, crackled. The four masts, two on each side of the river, were equipped with red warning lights on top. These lights were lit 24 hours a day. In addition, there were red neon lights on the masts, up near the cables, which lit up every time the sparks occurred. 25X1

Point 15 Vasilyevskoye Village

> Vasilyevskoye was formerly a large farm, the village housed mostly workers of the power plant (Point 13) /see Photograph 10/.

> > 25X1

25X1

25X1

S-E-C-R-E-T

25X1

Sanitized Copy Approved for Release 2010/05/26: CIA-RDP80T00246A032600090001-0

S-E-C-R-E-1

Shcherbakov Hospital	
This hospital was known to the Germans as Hospital PF 20. It was a large three-story stone building.	
Factory	
this factory manufactured kitchen utensils such as pots and pans, but he did not know the name of the factory. It consisted of several stone buildings.	25X1 1
Factory	
this factory only from a distance of 300 m. the plant had something to do with air- plane engines. Frequently, and sometimes for days at a time, airplane engines, apparently on test stands, could be heard. The noise was sometimes so strong that the windows vibrated in Novyy Posëlok, about six kilometers away. The factory complex sonsisted of several large, stone buildings. (See Photograph 12/	25X1 25X1
The school was located in a large, four-story, dark red- brick building. There was a sign outside the building, whether this was a	25X1
university-level engineering school, the school was only for technicians.	25)
Naval Installation	
in addition to the construction of minesweepers, fire- fighting boats were built here.	25
in addition to the construction of minesweepers, fire-fighting boats were built here. Naval Arsenal	25)
righting boats were built here.	
righting boats were built here.	
righting boats were built here. Naval Arsenal	
Naval Arsenal See Photograph 12/.	25) 25)
	this factory manufactured kitchen utensils such as pots and pans, but he did not know the name of the factory. It consisted of several stone buildings. Factory this factory only from a distance of 300 m. the plant had something to do with airplane engines. Frequently, and sometimes for days at a time, airplane engines, apparently on test stands, could be heard. The noise was sometimes so strong that the windows vibrated in Novyy Poselek, about six kilometers away. The factory complex sometimes for several large, stone buildings. See Photograph 12/. Engineering School for Aircraft Technicians The school was located in a large, four-story, dark red-brick building. There was a sign outside the building, whether this was a university-level engineering school, the school was only for technicians.

S-E-C-R-E-T

Point 23 High-Tension Line

Refer to Point 14 for details. See Photographs 9, 11, 12, and 13/.

Point 24 Oxygen Plant

See Photograph 167.

Point 25 Mekh Zavod I

See Photographs 2, 13, and 147.

Point 26 Second Village

See Photograph 117.

Point 27 <u>Leninskiy Prospekt</u>

The street began at this point and continued through Shcherbakov /see sketch on page 227.

Point 28 Prison Camps

25X1

The prisoners of these camps were employed in the construction of the locks.

2.

Photograph 1 September 1953. Taken from the north bank of the Volga River, near the Mekh Zavod I motorboat dock, facing southwest. Zavod Perebery (Point 1) and a water tower are located on the south bank. A small leading dock is situated to the right of the factory. Ships could approach the leading dock only during high water.

Photograph 2 August 1953. Taken from a high river bank in front of the coygen plant /for location, see Point 24 on page 12 /, facing west. A pump house is shown in the foreground, behind the earthen wall. This pump supplied water to Mekh Zavod I (Point 25) and to Mekh Zavod I settlement (also known as Novyy Poselok) (Point 5) in Perebory /N 58-16, E 38-42/. Behind this structure are located two navigational signals which marked the navigable water from

S-E-C-R-E-I

a point near Novyy Possilok to the match and box factory (Point 22). Further up the bank, there is a floating dock serving as a motorboat stop. Towards the right of the picture is the south entrance to the locks (Point 4) leading to the reservoir. To the left of the locks is the dam with the water-level gates (Point 3). The navigable water is to the right of the sandbank. On the south bank, to the left, are the buildings of Mekh Zavod I.

- Photograph 3
- August 1953. Taken from the river watchman's house on the Volga, facing west-southwest. In the foreground is a signal station for river traffic. In the background are the locks, the sandbank, and the dam with water-level gates. A road and a railroad track passed over the top of the dam. On the south bank can be seen the water tower of Zavod Perebory and a farm village. The motorized freighter on the river bore the name MAGADAN on its prow and on its bridge.
- Photograph 4
- May 1954. Taken from the north bank of the Volga River near Mekh Zavod I settlement (Point 5). Travelling downstream is a raft carrying ash, beech, poplar, and birch logs. The raft has just passed through the Perebory Locks in its full size.
- Photograph 5
- December 1954. Entrance to Mekh Zavod I settlement (Point 5) and the factory bus, bearing the inscription "Employees".
- Photograph 6
- June 1953. A street in Mekh Zavod I settlement (Point 5) after a trench digger had passed. Lying along the street are posts which were to be used in the construction of a new fence. The fence was to divide the street so that houses on the east side of the street could be rented to Soviets. (Germans resided on the west side of the street).
- Photograph 7
- September 1954. Taken within the German section of Mekh Zavod I settlement (Point 5). In the foreground is Maj. Aleksandr Yefimovich Butov, accompanied by Sr. Lt. Boris Dramin, going hunting.1
- Photograph 8
- June 1953. Mysino village (Point 6) located six kilometers west-northwest of Shcherbakov.

^{1.} Maj. Aleksandr Yefimovich Butov was the commandant of the German settlement in Shcherbakov; Sr. Lt. Boris Dramin was his assistant.

S=E=C=R=E=1 =9=

Photograph 9

February 1954. Taken near Mekh Zavod I settlement,
(Point 5), showing a section of the Perebory-Sheksna
road (Point 11). The railroad line is next to the
road. In the background, just above the horse, is
a new construction, presumed by source to be a future
chemical plant (Point 7). A construction fence
surrounds the area. In the background are masts
of the high-tension line leading to the power plant
(Point 13) and also telephone lines.

Photograph 10

August 1953. A street in Vasilyevskoye village
(Point 15), located near Shcherbakov. The uniformed
men on the right are believed to be members of the
regular guard detail of the power plant at Sheksna
(Point 13).

Photograph 11 February 1954. Taken facing west. A street in Second Village (Point 26), located four kilometers northwest of Shcherbakov. In the background can be seen two masts of the high-tension line which crossed the Volga /see Point 14/.

Photograph 12

June 1953. Taken from a high river bank near Mekh
Zaved I settlement (Point 5) facing east—southerst

The Volga River is on the right side of the picture.
On the south bank are located houses of an unidentified village and the west corner of the city of Shcherbakov.
Fifty—three millimeters from the right edge of the picture is the chimney of a match and box factory (Point 22). To the left of this factory, located on the river bank, were storage sheds of the naval arsenal (Point 21). Situated 69 mm from the right edge of the picture is an airplane engine factory (Point 18). On the north bank (in the foreground) are farm houses of Mysino village (Point 6). Also visible are the wires of a high-tension line leading from the power plant and going toward the right across the Volga, and south in the direction of Moscow.

Photograph 13

December 1954. The western edge of Mekh Zavod I settlement (Point 5). The building on the left is the club house of Mekh Zavod I (Point 25). It was almost completed at the time the picture was taken. Under construction, in the background, is a large apartment house. Next to the apartment house are prefabricated houses used by the employees as well as the supervisory personnel of the plant. The tower was to supply water to the houses in the settlement; it was already leaning even though its construction

S-E-C-R-E-T -10-

had not been completed. At the right edge of the photograph are the fence and buildings of Mekh Zavod I. The poles in the foreground carried 220-v AC lines as well as the telephone line. In the background are another telephone line and a 4,000-v line.

- Photograph 14 January 1955. Shown is the southeast corner of Mekh Zavod 1 (Point 25), including its fence and a watch-tower. In the background is the administration building and the water tower. In the foreground is the Perebory-Sheksna road (Point 11) and the railroad track which runs parallel to the road.
- Photograph 15 March 1954. Earthen storage sheds near the motorboat landing point for Mekh Zavod I. The storage sheds were located a short distance from the north bank of the Volga. The sheds contained blankets, uniforms, and other supplies for the prison camps (Point 28), located near the Perebory Locks.
- Photograph 16

 August 1953. Taken from the southwest corner of Mekh
 Zavod I settlement (Point 5), the photograph shows
 the oxygen plant (Point 24), located on the north
 bank of the Volga River.
- 3. Solely for the purpose of orientation, identified several land-marks on the overlay of the eastern section of Shcherbakov, based on see page 227.

the approximate position from which each photograph was taken and has indicated by arrows the approximate scope of each. See pages 21 to 28 for the photographs. The following legend is keyed to the numbers appearing beneath each photograph.

Photograph 17

July 1954. Taken from a ship on the Volga, the picture shows the central part of Sheherbakov. On the left is a former church, now used as a granary and as living quarters. On the bank in front of the church is a landing place used by a local motorboat line. Next to the church is a hospital, formerly the residence of a local Agovernor. In front of the hospital is \$25\times 1 \text{dock used by the long-distance steamship line which travelled from Moscow, via the Moscow-Volga Canal, Rybinskove Reservoir, Yaroslavl \(\text{N} \) 57-35, \(\text{E} \) 39-59/, Gorkiy \(\text{N} \) 56-20, \(\text{E} \) 44-00/, and Astrakhan \(\text{N} \) 46-21, \(\text{E} \) 48-03/ to Rostov \(\text{N} \) 47-15, \(\text{E} \) 39-53/. On the river bank, above this dock is the administration building for river shipping, containing a passenger ticket office and a freight office, etc. To the right of

S-E-C-R-E-T

this structure are houses, some of which were used as granaries, others as living quarters. Behind these houses was Market Place 2. On the extreme right of the photograph is a ferry boat landing point.

- Photograph 18

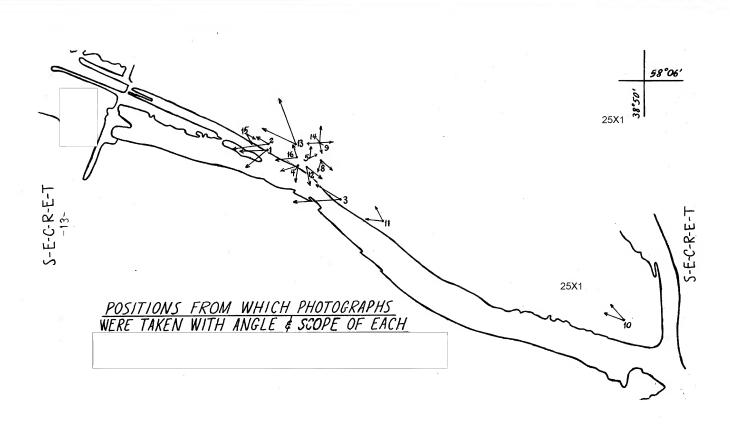
 July 1954. Taken from the Volga River, facing northwest. The photograph is a close-up of a section of Photograph 17. The large building in front is the hospital. In front of the hospital is the floating dock of the local motorboat line. The motorboat in front of the dock was equipped with a short-wave transmitter and receiver. A street, terminating at the dock, appears on the far right of the photo-
- Photograph 19 July 1954. Another close—up of Photographs 17 and 18. In the center is a former church, now serving as a granary and living quarters. On the left is a former monastery; on the right are office and administration buildings. In the foreground is the upper structure of a river steamer.
- Photograph 20

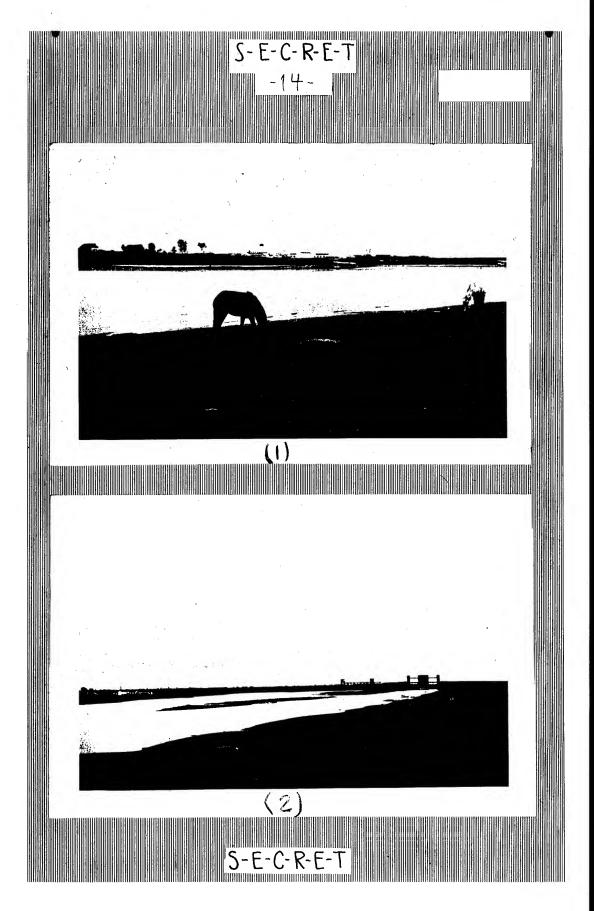
 July 1954. The Shcherbakov-Petrovskoye car ferry and a tugboat. On the bank, between the tugboat and the ferry, is Proletarskaya pl. landing point. The tower toward the left of the picture, located near Proletarskaya pl. is a fire-brigade training tower, formerly used as a fire lookout tower.
- Photograph 21 July 1954. Facing north. A section of Proletarskaya

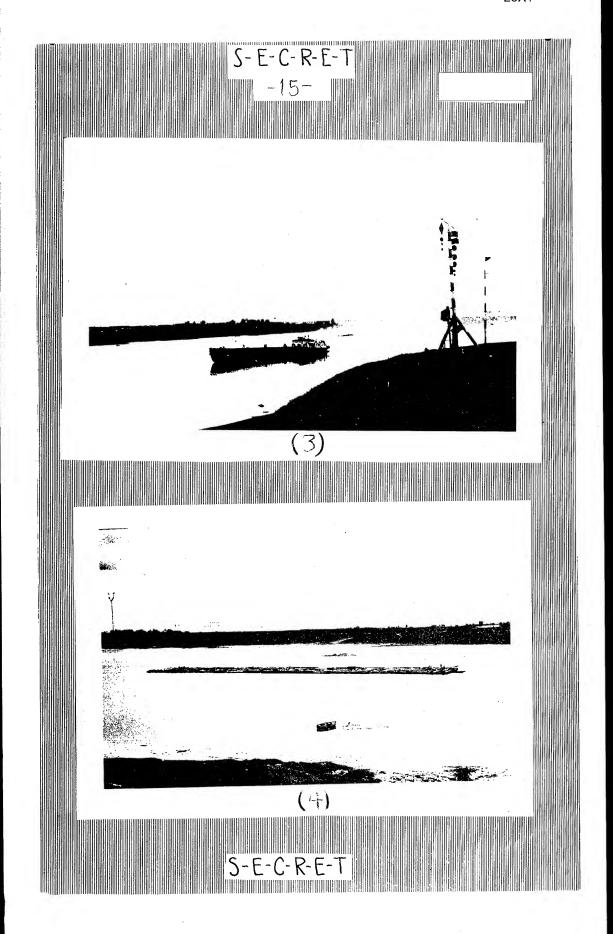
 pl., in Shcherbakov. On the right of the photograph
 are a store and a shoemaker's shop. On the bank of
 the river is the entrance to the passenger and car
 ferry to Petrovskove, located on the other side of the
 Volga. On the north bank, towards the left of the
 photograph, is the beach of an open-air bath. In the
 background are living quarters.
- Photograph 22 July 1954. A street corner along Leninskiy prospekt, the main street of Shcherbakov. Shown are apartment houses and warehouses.
- Photograph 23 July 1954. Taken at noon, facing Leninskiy prospekt. Apartments and shops on Froletarskaya pl.
- Photograph 24 July 1954. A scene at Market Place 2. Only dairy products were sold in the building. In front of the building are vegetable stands.
- Photograph 25 July 1954. A seene at Market Place 2. The arch at the right is the southeastern entrance into the area. In the foreground are several members of the local militia.
- Photograph 26 July 1954. A scene at Market Place 2. In the background is the local museum; on the left, a meat market.

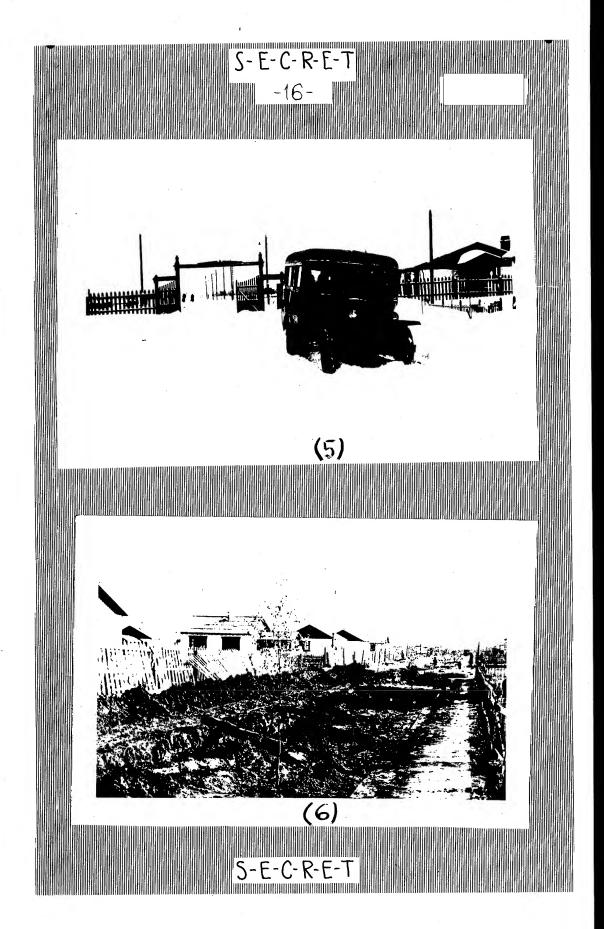
AREA LAYOUT OF SHCHERBAKOV (WESTERN SECTION) 255x1 25x1 25x1 25x1 25x1

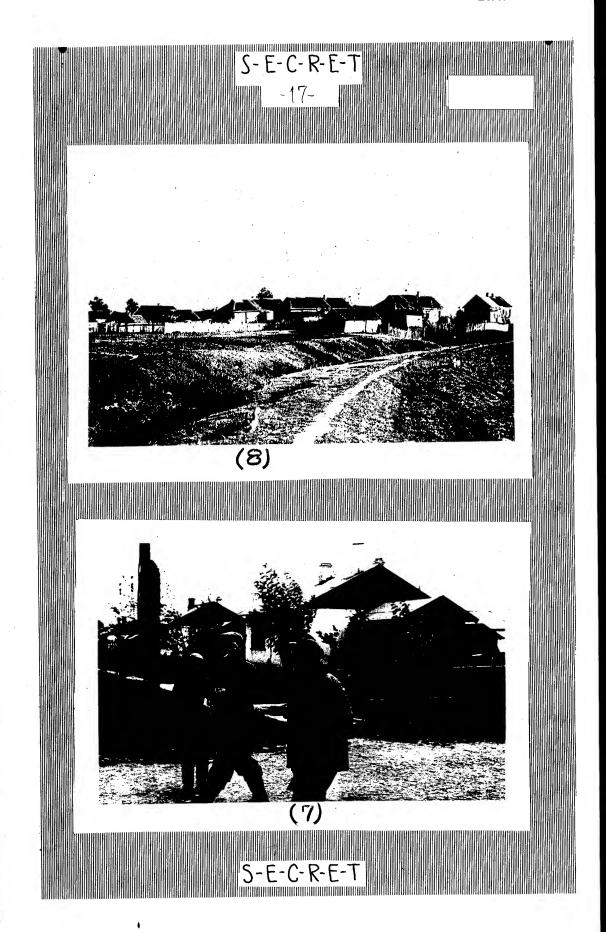
Sanitized Copy Approved for Release 2010/05/26 : CIA-RDP80T00246A032600090001-0

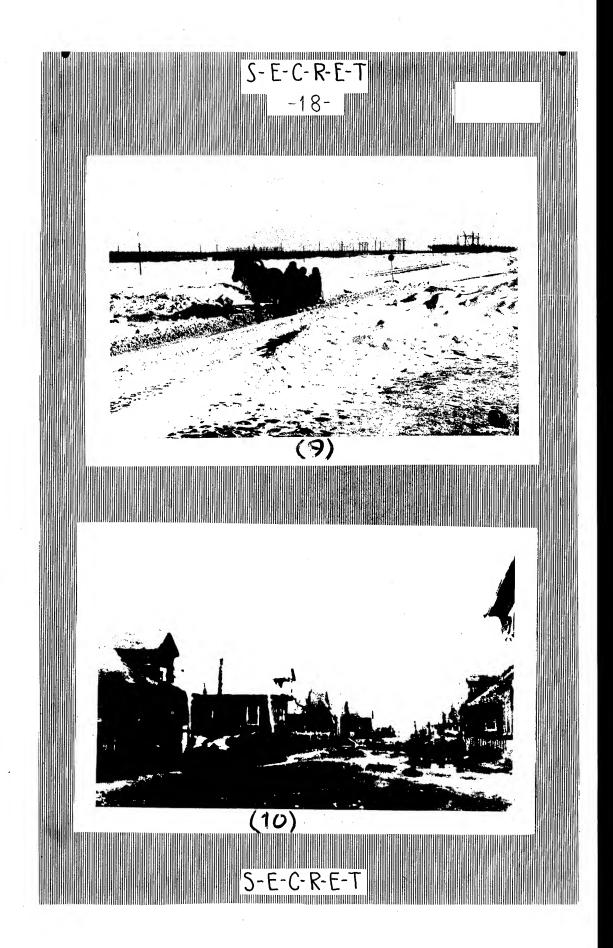


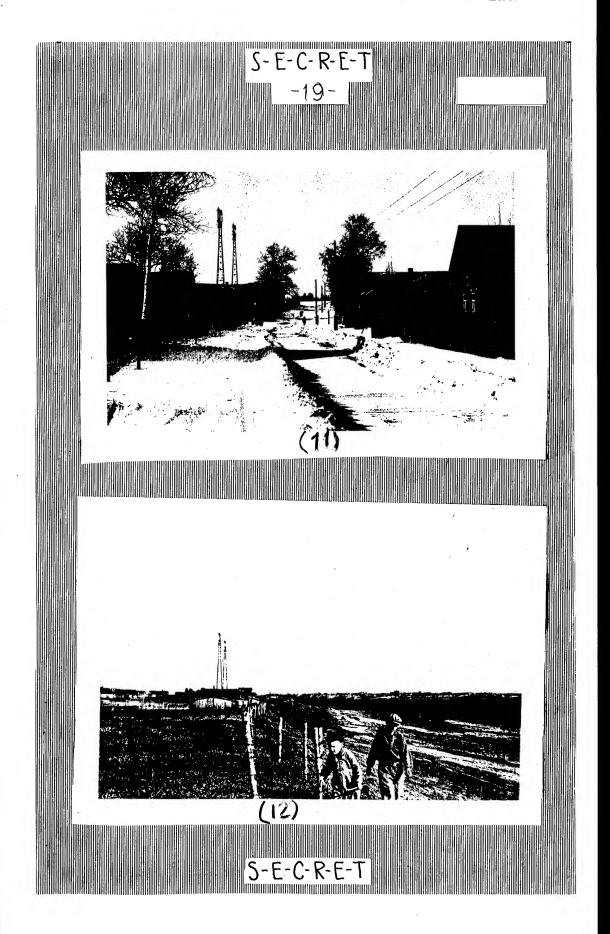


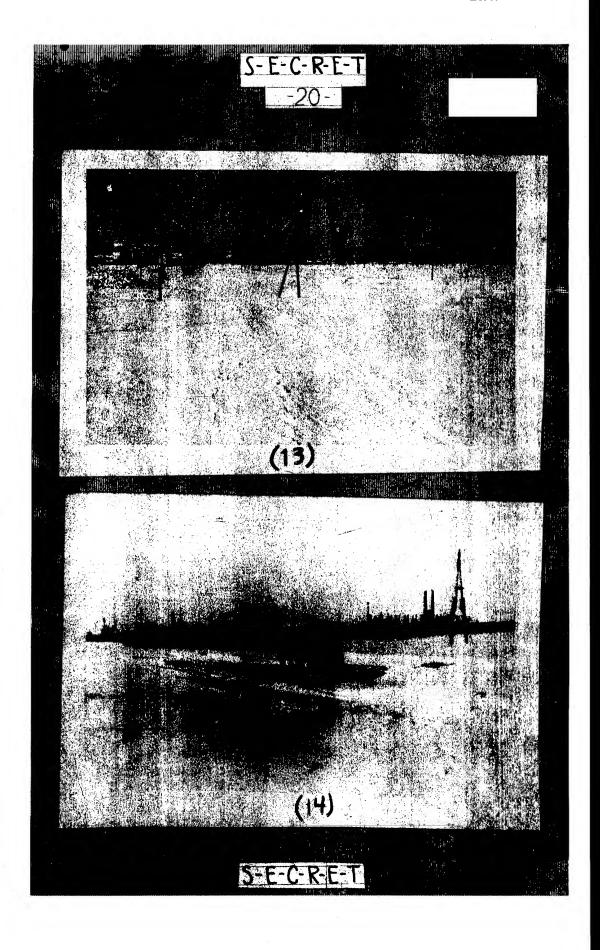


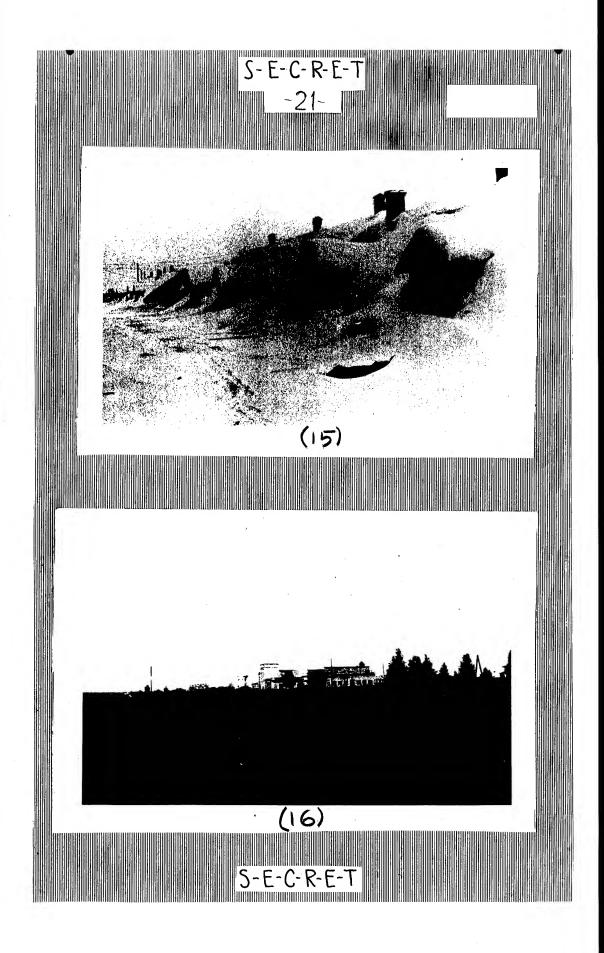




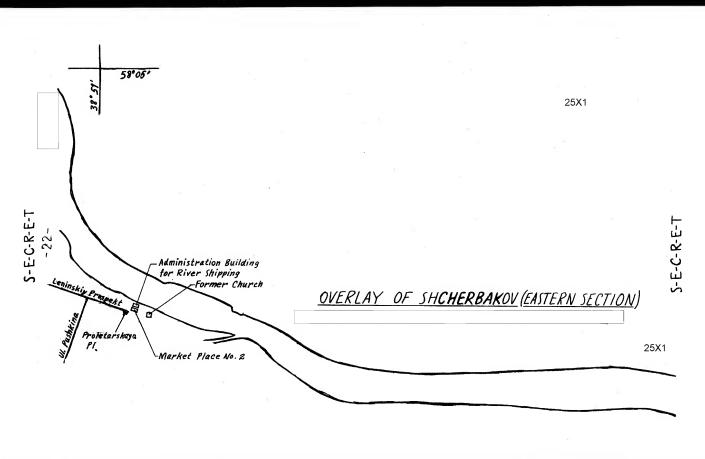


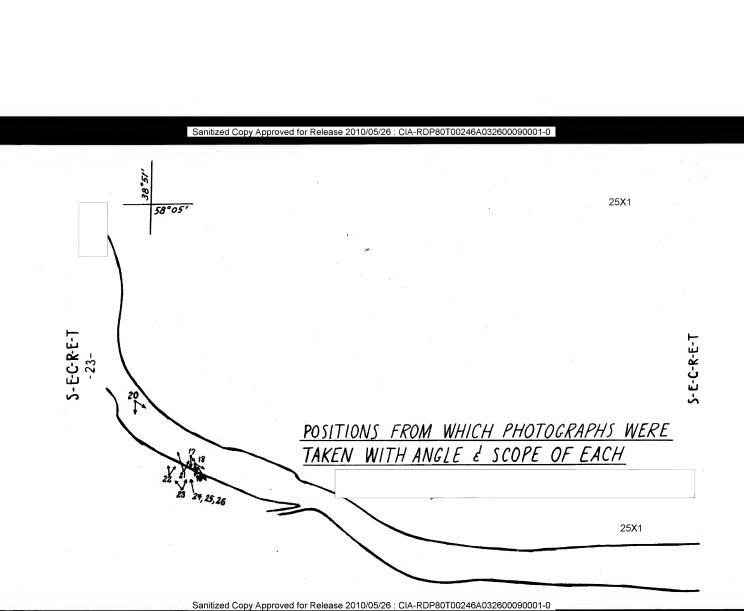


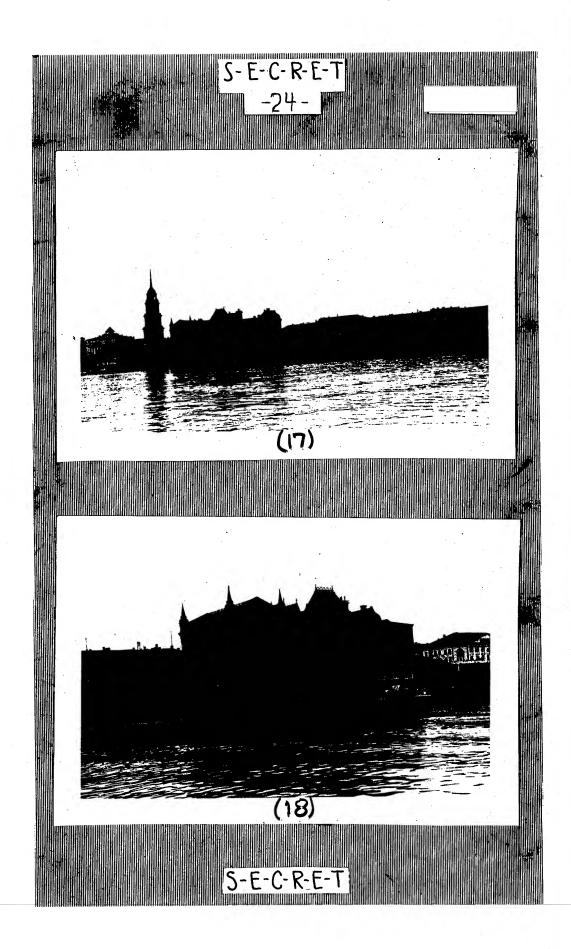


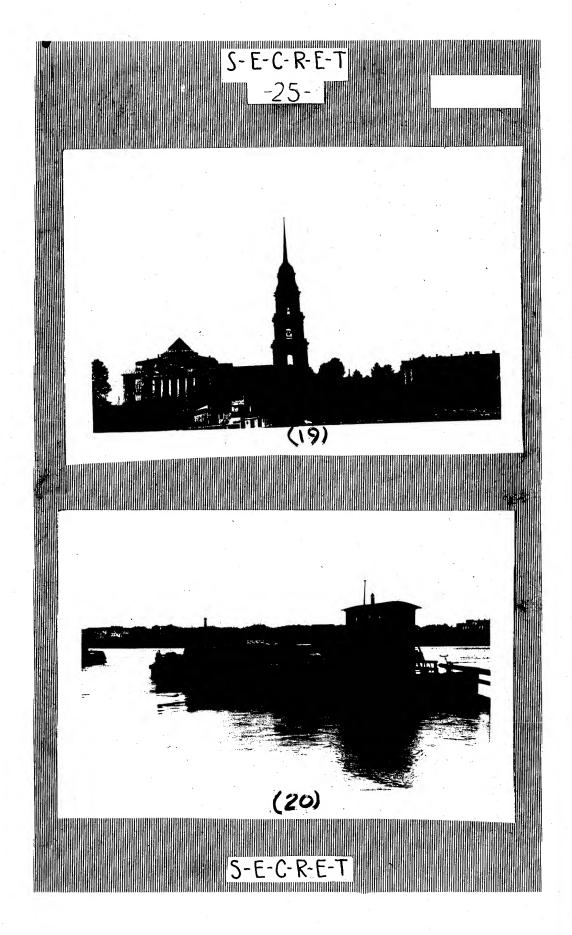


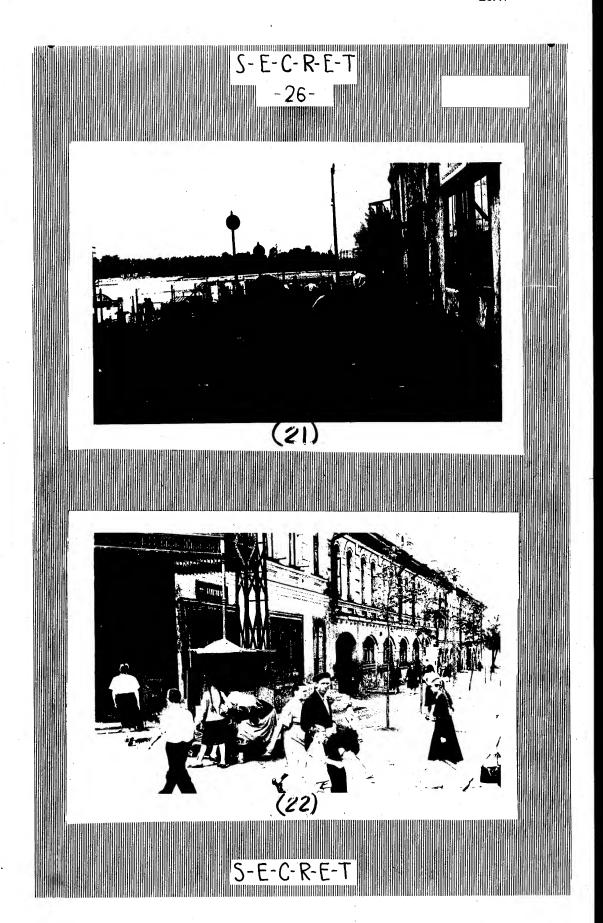
Sanitized Copy Approved for Release 2010/05/26 : CIA-RDP80T00246A032600090001-0

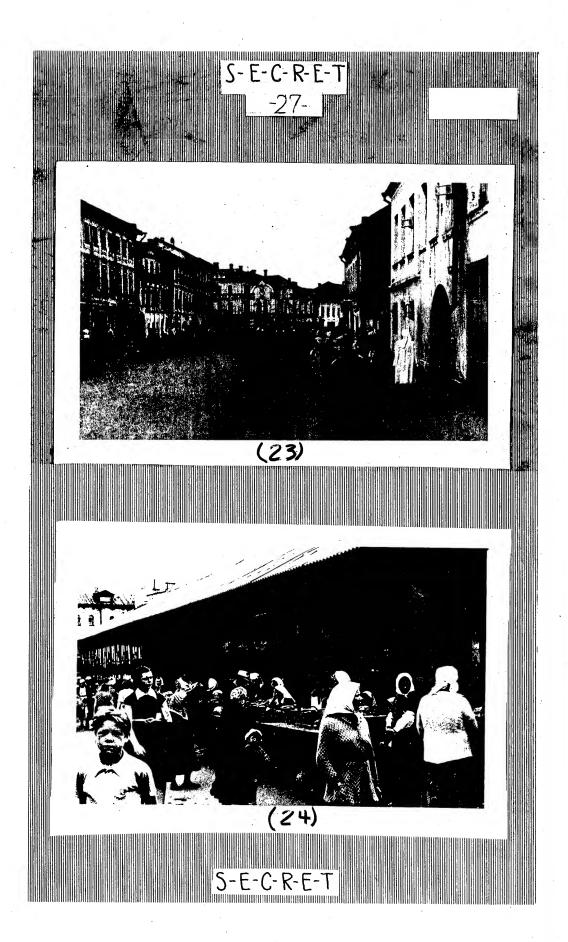


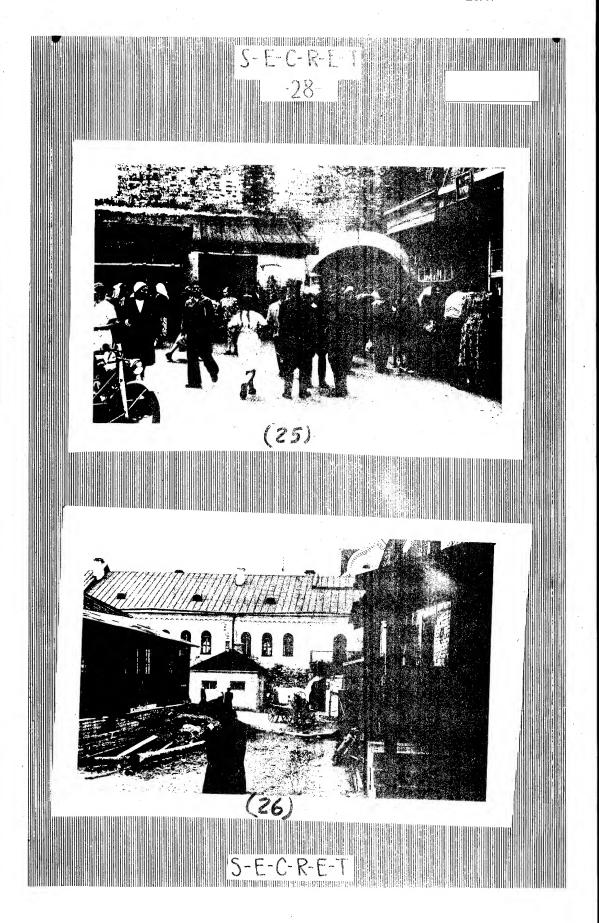












Sanitized Copy Approved for Release 2010/05/26 : CIA-RDP80T00246A032600090001-0

NFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

S-E-C-R-E-T

е #x	ARMY #X NAVY	#X AIR #XFBI	AEC		
			*		
		S-E-C-R-E-T			
				25X1	
				,	
					25X1
			1		
	photographs wer	re taken in the settl	Lement Novyy Pose	elok.	
3•	Ref. page 7, page 7	aragraph 2, the posit	tions from which	photographs No. 6 Lay on page 13. Both	
2.	Ref. page 6, po Mayak Match Fac	oint 22, the factory etory.		may be the	25X1
	Pavlov Aircraft	Engine Plant.			. .
1.	,	oint 18, the installa	tion described m	nay be part of the	
	Commer	nts		* .	
E ACQ.	SOURCE EVALUA	TIONS ARE DEFINITIVE. A	PPRAISAL OF CONTEN	IS TENTATIVE.	25
E OF). CE &					25)
- 0-	. *	· !	REFERENCES	· · · · · ·	
			REQUIREMENT NO.	RD	
	Shcherbakov an	d Vicinity	NO. PAGES	29	
ECT		d Photographs of	DATE DISTR.	11 February 1957	

Sanitized Copy Approved for Release 2010/05/26 : CIA-RDP80T00246A032600090001-0

			C Tr	-C-R-E-T	25	5X1
		THE RESIDENCE OF THE PARTY OF T	O-11-	of military I	REPORT	
,	COUNTRY	USSR (Yaroslav)	Oblast)		DATE DISTR. 8 JAN	57
	SUBJECT	Area Layout and and Vicinity	Photographs of	Sheherbakev	NO. OF PAGES 28	
	PLACE ACQUIRED			, ×	NO. OF ENCLS. (LISTED BELOW)	
	DATE ACQUIRED				SUPPLEMENT TO REPORT NO.	X1
		FORMATION				
		,	HIS IS UNEVALUAT	ED INFORMATION		
					-	
				į	· 25X1	
		•	SE.«	C-r-e-t	29/(1	
			- 2			
1						8
			court distribution (Califo distribution orders et	nut deep deept soci		

Sanitized Copy Approved for Release 2010/05/26 : CIA-RDP80T00246A032600090001-0

S-E-C-R-E-T

25X1

1.

Point 1

Zavod Perebory

This factory was known locally as Zavod Perebory. The large complex contained many stone buildings.

there seemed to be very little activity there. See Photograph 1.

Point 2

Perebory Prison Camp

Most of the prisoners in this camp were civilians both males and females,

25X1

25X1

Point 3

Dam with Water-Level Gates

The dam was constructed of reinforced concrete. The difference between the water level of the lake on one side of the dam gates and the water level of the river (the lower point) on the other side of the gates was eight meters. The site was guarded by an armed military guard at all times. A road ran across the top of the dam. See Photographs 2 and 3%.

Point 4

Locks

There were two parallel locks, each 300 m long and 60 m wide, but the southern lock was used almost exclusively. It took eight to ten minutes for a ship to get through a lock. The locks were capable of accommodating rafts up to 300 m long. Zee Photographs 2, 3, and 4.

S-E-C-R-E-T

Point 5

Novyy Posšlok Settlement

The construction of Novyy Possilok (also known as Mekh Zavod I settlement) was completed in 1952. It consisted of about 50 Finnish-type houses which were assigned In 25X1 1954, five large wooden barracks were added in which Soviets were quartered. Photographs 5-7, 9, and 13 show typical scenes in and near this settlement.

Point 6

Mysino Village

Mysino was an old village comprised of log houses. The inhabitants either were farmers or worked in the nearby crane factory, Mekh Zavod 1 (Point 25). See Photographs 8 and 12/.

Point 7

New Construction

A three-story brick huilding was in the process of construction,

It was rumored that the building was to be a chemical plant. The factory had its own pumping station on the river, west of Point 5 above. See Photograph 97.

Point 8

Radio Transmitter and Parabolic Radar Reflector

Within a guarded area, surrounded by barbed wire, were located several small one-story buildings. The area was sandy and was largely covered with young birches, pines and other trees. Within the area, a small military short-wave transmitter and the smaller of two parabolic radar reflectors. See Point 10 for further details. The reflector was two meters in diameter.

Point 0

Military Housing and Storage Area

Several small, one-story, stone buildings, constructed in 1954, were located within a wooded area (near Point 8) and were visible from the nearby road. The military personnel assigned to the antiaircraft battery (Point 10) were quartered here. There also were several small, one-story, stone buildings which 25X1 had wooden shutters instead of windows. On one of these buildings, a "No Smoking" sign. the ammunition for the antiaircraft guns25X1

the ammunition for the antiaircraft guns 25X
/see Point 10/ was stored here. several
telephone lines leading into the area. 25X1

25X1

S-E-C-R-E-1

Point 10

Antiaircraft Battery and Parabolic Radar Reflector

From a distance, at least six antiair- 25X1 craft gum barrels protruding above the treetops, which at that time were only about four meters 25X1 these barrels on several occasions and each time they were pointing in different 25X1 directions. the caliber as 12 cm. (In the area in which source lived, he had heard 25X1 gunfire, about once a month, which sounded like heavy artillery or antiaircraft guns. the firing had not come from the direction of the antiaircraft position described 25X1 above; the sound of the firing came from a more 25X1 westerly direction. There were also at least two searchlights in the immediate vicinity 25X1 of this area. Several times, during the night, as many as nine searchlight beams trying to spot 25X1 passing planes. but only from a distance, a steel transmitting tower. It was 25X1 located in a clearing and protruded about four or five meters above the young trees nearby. The antiaircraft battery was equipped with radar. consisting of two movable parabolic reflectors, four meters in diameter. (The smaller reflector was located in the area Point 8). There may have been more reflectors, but these were the only ones seen Each reflector was operated by two soldiers who sat at its base. The reflector in this area was visible from the north corner of the road (Point 11), where the road turned sharply to the south. The distance from this point to the radar reflector was less than 200 m. The entire

Point 11

Road

installation.

Constructed prior to 1952, the road was in excellent condition. It was cobblestoned, was six meters wide, and had a one-meter wide drainage ditch on both sides. The section drawn on the overlay does not appear on the Massic. The road passed the power plant

area was surrounded by a two-meter high barbedwire fence which was guarded and patrolled at all times by armed guards, who were accompanied by dogs at night. This seemed to be a permanent

S-E-C-R-E-T

(Point 13) and connected with the road to Vologda \(\tilde{N} \) 59-20, E 39-40\(\tilde{O} \) on the east, and led past the locks (Point 4) to Perebory and Sheherbakov on the west. \(\tilde{S} \) see Photographs 9 and 14\(\tilde{O} \).

Point 12 Sheksna Settlement

In Sheksna \sqrt{N} 59-15, E 38-457 were several new (constructed in 1952-1954), three-story, stone buildings which housed workers of the power plant (Point 13). The settlement was named after the river which flowed through this area prior to the construction of the dam.

Point 13 Hydroelectric Power Plant

This was a concrete structure, 150 m x 50 m x 15 m, with a saw-toothed sheet-metal roof (seven ridges). The cranes which raised and lowered the water gates were visible on the northwest (lake) side of the plant.

there were seven cranes. On the southeast (river) side of the plant, the water rushed out of the plant with great 25X1 force. The building was guarded by armed military sentries.

Point 14 Area Containing Transformers and Oil Switches

there were a great many transformers and oil switches in this area and that the high-tension line (Point 23) originated here. Two three-phase lines went south in the direction of Moscow, and one three-phase line went in a northeasterly direction past the power plant.

Each line consisted of three cables; one line possibly 25X1 had two ground wires. Along the section which crossed the Volga River, there definitely were two ground wires.

during rain, snow blizzards, or fog, 25X1
the insulation on the power line sprayed sparks which
interfered considerably with radio reception. Every time
this phenomenon occurred, radio, which was located
almost two kilometers from the power line, crackled. The
four masts, two on each side of the river, were equipped
with red warning lights on top. These lights were lit
24 hours a day. In addition, there were red neon lights
on the masts, up near the cables, which lit up every time
the sparks occurred.

Point 15 <u>Vasilyevskoye Village</u>

Vasilyevskoye was formerly a large farm, the yillage housed mostly workers of the power plant (Point 13) /see Photograph 10/.

25X1

25X1

S-E-C-R-E-T -6- 25X1

Point 16	Shcherbakov Hospital	25 X 1
	This hospital was known as Hospital PF 20. It was a large three-story stone building.	
Point 17	Factory	25 X 1
	this factory manufactured kitchen	25 X 1
	utensils such as pots and pans, It consisted of several stone buildings.	. · · · · · · · · · · · · · · · · · · ·
Point 18	Factory 25	5X1
	this factory only from a distance of 300 m. the plant had something to do with airplane engines. Frequently, and sometimes for days at a time, airplane engines, apparently on test stands, could be heard. The noise was sometimes so strong that the windows vibrated in Novyy Posëlok, about six kilometers away. The factory complex sonsisted of several large. stone buildings. [See Photograph 12].	25X1
Point 19	Engineering School for Aircraft Technicians The school was located in a large, four-story, dark red-brick building. There was a sign outside the building,	25X1
Point 20	the school was only for technicians. Naval Installation	207(1
	For information, refer in addition to the construction of minesweepers, fire-fighting boats were built here.	25X1 25X
oint 21	Naval Arsenal For information	25 X
oint 22	Match and Bex Factory The factory was companied of several large brick buildings and one large chimney. Tremendous piles of sawdust could be seen near the factory on the banks of the river.	

S-E-C-R-E-1

25X1

Point 23 <u>High-Tension Line</u>

Refer to Point 14 for details. See Photographs 9, 11, 12, and 13%.

Point 24 Oxygen Plant

See Photograph 167.

Point 25 Mekh Zavod I

See Photographs 2, 13, and 147.

Point 26 Second Village

See Photograph 117.

Point 27 Leninskiy Prospekt

The street began at this point and continued through Shcherbakov see sketch on page 22.

Point 28 Prison Camps

The prisoners of these camps were employed in the construction of the locks.

2.

25X1

position from which each photograph was taken and has indicated by arrows the approximate angle and scope of each photograph. The legend is keyed to the numbers which appear below each photograph. The photographs appear on pages 14 to 21 and are described as follows:

25X1

25X1

- Photograph 1 September 1953. Taken from the north bank of the Volga River, near the Mekh Zavod I motorboat dock, facing southwest. Zavod Perebory (Point 1) and a water tower are located on the south bank. A small loading dock is situated to the right of the factory. Ships could approach the loading dock only during high water.
- Photograph 2 August 1953. Taken from a high river bank in front of the coygen plant /for location, see Point 24 on page 12 /, facing west. A pump house is shown in the foreground, behind the earthen wall. This pump supplied water to Mekh Zavod I (Point 25) and to Mekh Zavod I settlement (also known as Novyy Poselok) (Point 5) in Perebory /N 58-16, E 38-42/. Behind this structure are located two navigational signals which marked the navigable water from

S-E-C-R-E-T

a point near Novyy Possilok to the match and box factory (Point 22). Further up the bank, there is a floating dock serving as a motorboat stop. Towards the right of the picture is the south entrance to the locks (Point 4) leading to the reservoir. To the left of the locks is the dam with the water-level gates (Point 3). The navigable water is to the right of the sandbank. On the south bank, to the left, are the buildings of Mekh Zavod I.

village. The meterized freighter on the river bore the name MAGADAN on its prow and on its bridge.

- Photograph 3 August 1953. Taken from the river watchman's house on the Volga, facing west-southwest. In the foreground is a signal station for river traffic. In the background are the locks, the sandbank, and the dam with water-level gates. A road and a railroad track passed over the top of the dam. On the south bank can be seen the water tower of Zavod Perebory and a farm
- Photograph 4 May 1954. Taken from the north bank of the Volga River near Mekh Zavod I settlement (Point 5).

 Travelling downstream is a raft carrying ash, beech, poplar, and birch logs. The raft has just passed through the Perebory Locks in its full size.
- Photograph 5 December 1954. Entrance to Mekh Zavod I settlement (Point 5) and the factory bus, bearing the inscription "Employees".
- Photograph 6

 June 1953. A street in Mekh Zavod I settlement (Point 5)
 after a trench digger had passed. Lying along the
 street are posts which were to be used in the
 construction of a new fence. The fence was to
 divide the street so that houses on the east side of
 the street could be rented to Soviets.
 resided on the west side of the street).
- Photograph 7 September 1954. Taken within the section of Mekh Zavod I settlement (Point 5). In the foreground is Maj. Aleksandr Yefimovich Butov, accompanied by Sr. Lt. Boris Dramin, going hunting.1
- Photograph 8 June 1953. Mysino village (Point 6) located six kilometers west-northwest of Shcherbakov.

25X1

1. Maj. Aleksandr Yefimovich Butov was the commandant of the settlement in Shcherbakov; Sr. Lt. Boris Dramin was his assistant.

S-E-C-R-E-T -9-

- Photograph 9
- February 1954. Taken near Mekh Zavod I settlement, (Point 5), showing a section of the Perebory-Sheksna road (Point 11). The railroad line is next to the road. In the background, just above the horse, is a new construction, presumed to be a future chemical plant (Point 7). A construction fence surrounds the area. In the background are masts of the high-tension line leading to the power plant (Point 13) and also telephone lines.

25X1

Photograph 10

August 1953. A street in Vasilyevskoye village (Point 15), located near Shcherbakov. The uniformed men on the right are believed to be members of the regular guard detail of the power plant at Sheksna (Point 13).

Photograph 11

February 1954. Taken facing west. A street in Second Village (Point 26), located four kilometers northwest of Shcherbakov. In the background can be seen two masts of the high-tension line which crossed the Volga /see Point 14/.

Photograph 12

June 1953. Taken from a high river bank near Mekh Zavod I settlement (Point 5) facing east-southeast. The Volga River is on the right side of the picture. On the south bank are located houses of an unidentified village and the west corner of the city of Shcherbakov. Fifty-three millimeters from the right edge of the picture is the chimney of a match and box factory (Point 22). To the left of this factory, located on the river bank, were storage sheds of the naval arsenal (Point 21). Situated 69 mm from the right edge of the picture is an airplane engine factory (Point 18). On the north bank (in the foreground) are farm houses of Mysino village (Point 6). Also visible are the wires of a high-tension line leading from the power plant and going toward the right across the Volga, and south in the direction of Moscow.

Photograph 13

December 1954. The western edge of Mekh Zavod I settlement (Point 5). The building on the left is the club house of Mekh Zavod I (Point 25). It was almost completed at the time the picture was taken. Under construction, in the background, is a large apartment house. Next to the apartment house are prefabricated houses used by the employees as well as the supervisory personnel of the plant. The tower was to supply water to the houses in the settlement; it was already leaning even though its construction

S-E-C-R-E-T

had not been completed. At the right edge of the photograph are the fence and buildings of Mekh Zavod I. The poles in the foreground carried 220-v AC lines as well as the telephone line. In the background are another telephone line and a 4,000-v line.

Photograph 14

January 1955. Shown is the southeast corner of Mekh Zavod 1 (Point 25), including its fence and a watch-tower. In the background is the administration building and the water tower. In the foreground is the Perebory-Sheksna road (Point 11) and the railroad track which runs parallel to the road.

Photograph 15

March 1954. Earthen storage sheds near the motorboat landing point for Mekh Zavod I. The storage sheds were located a short distance from the north bank of the Volga. The sheds contained blankets, uniforms, and other supplies for the prison camps (Point 28), located near the Perebory Locks.

Photograph 16

August 1953. Taken from the southwest corner of Mekh Zavod I settlement (Point 5), the photograph shows the oxygen plant (Point 24), located on the north bank of the Volga River.

3. Solely for the purpose of orientation, marks on the overlay of the eastern section of Shcherbakov,

several land- 25X1

On page 23 is another copy of the above overlay,

25X1

the approximate position from which each photograph was taken and nas indicated by arrows the approximate scope of each. See pages 21 to 28 for the photographs. The following legend is keyed to the

25X1

numbers appearing beneath each photograph.

Photograph 17

25X1

Taken from a ship on the Volga, the picture shows the central part of Sheherbakov. On the left is a former church, now used as a granary and as living quarters. On the bank in front of the church is a landing place used by a local motorboat line. Next, to the church is a hospital, formerly the residence of a local governor. In front of the hospital is a dock used by the long-distance steamship line which travelled from Moscow, via the Moscow-Volga Canal, Rybinskoye Reservoir, Yaroslavl /N 57-35, E 39-50/, Gorkiy /N 56-20, E 44-00/, and Astrakhan /N 46-21, E 48-03/ to Rostov /N 47-15, E 39-53/. On the river bank, above this dock is the administration building for river shipping, containing a passenger ticket office and a freight office, etc. To the right of

S-E-C-R-E-T

this structure are houses, some of which were used as granaries, others as living quarters. Behind these houses was Market Place 2. On the extreme right of the photograph is a ferryboat landing point.

- Photograph 18

 July 1954. Taken from the Volga River, facing northwest. The photograph is a close-up of a section of Photograph 17. The large building in front is the hospital. In front of the hospital is the floating dock of the local motorboat line. The motorboat in front of the dock was equipped with a short-wave transmitter and receiver. A street, terminating at the dock, appears on the far right of the photograph.
- Photograph 19

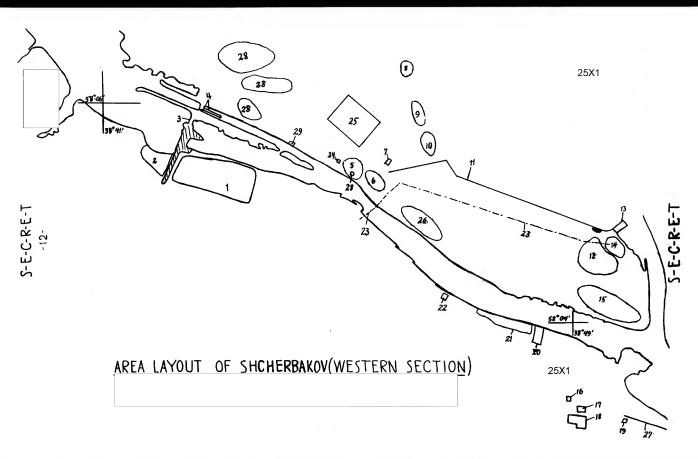
 July 1954. Another close-up of Photographs 17 and 18. In the center is a former church, now serving as a granery and living quarters. On the left is a former monastery; on the right are office and administration buildings. In the foreground is the upper structure of a river steamer.
- Photograph 20

 July 1954. The Shcherbakov-Petrovskoye car ferry and a tugboat. On the bank, between the tugboat and the ferry, is Proletarskaya pl. landing point. The tower toward the left of the picture, located near Proletarskaya pl. is a fire-brigade training tower, formerly used as a fire lookout tower.
- Photograph 21

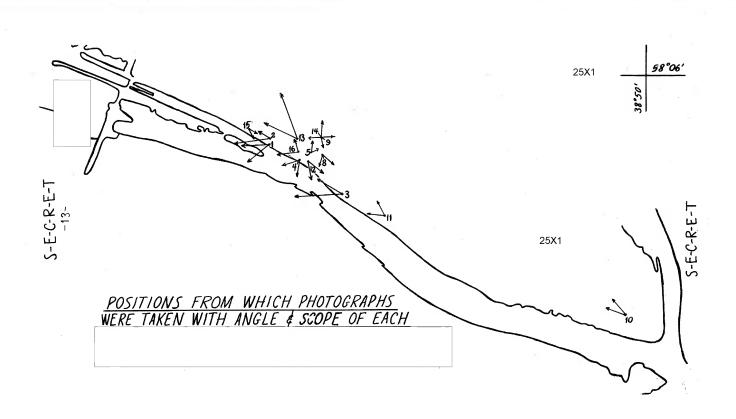
 July 1954. Facing north. A section of Proletarskaya

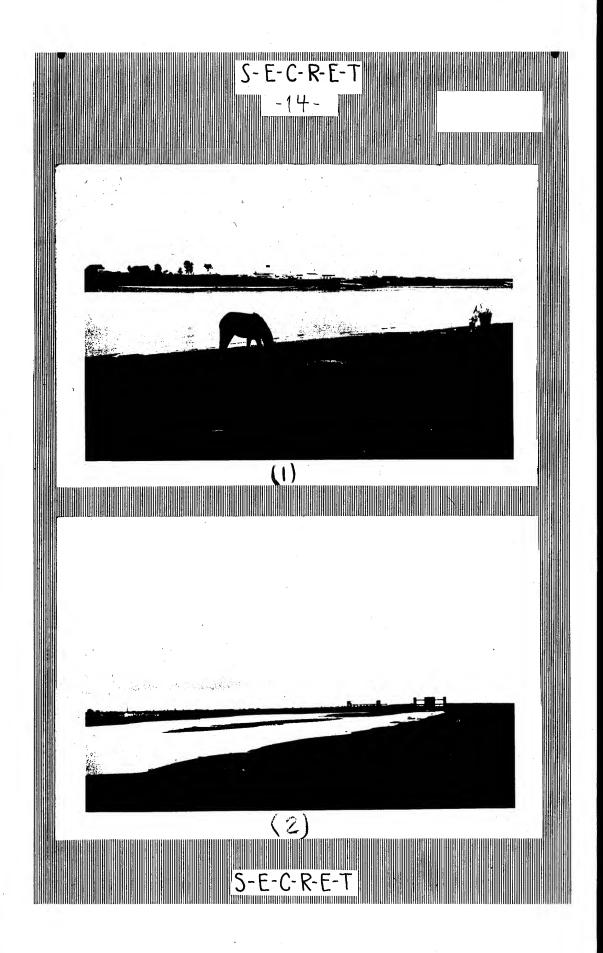
 pl., in Shcherbakov. On the right of the photograph
 are a store and a shoemaker's shop. On the bank of
 the river is the entrance to the passenger and car
 ferry to Petrovskeye, located on the other side of the
 Volga. On the north bank, towards the left of the
 photograph, is the beach of an open-air bath. In the
 background are living quarters.
- Photograph 22 July 1954. A street corner along Leninskiy prospekt, the main street of Shcherbakov. Shown are apartment houses and warehouses.
- Photograph 23 July 1954. Taken at noon, facing Leninskiy prospekt. Apartments and shops on Froletarskaya pl.
- Photograph 24 July 1954. A scene at Market Place 2. Only dairy products were sold in the building. In front of the building are vegetable stands.
- Photograph 25 July 1954. A seene at Market Place 2. The arch at the right is the southeastern entrance into the area. In the foreground are several members of the local militia.
- Photograph 26 July 1954. A scene at Market Place 2. In the background is the local museum; on the left, a meat market.

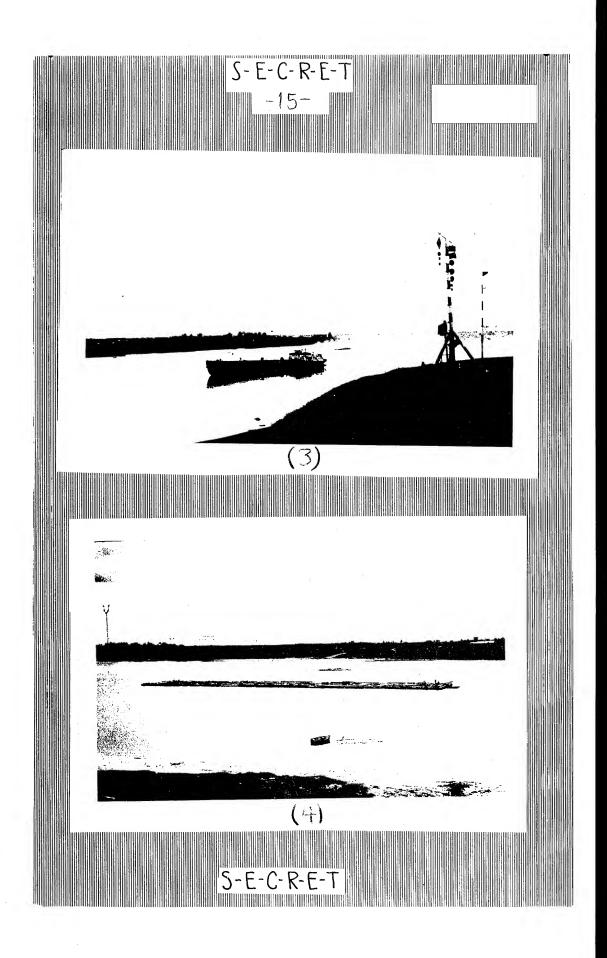
Sanitized Copy Approved for Release 2010/05/26 : CIA-RDP80T00246A032600090001-0

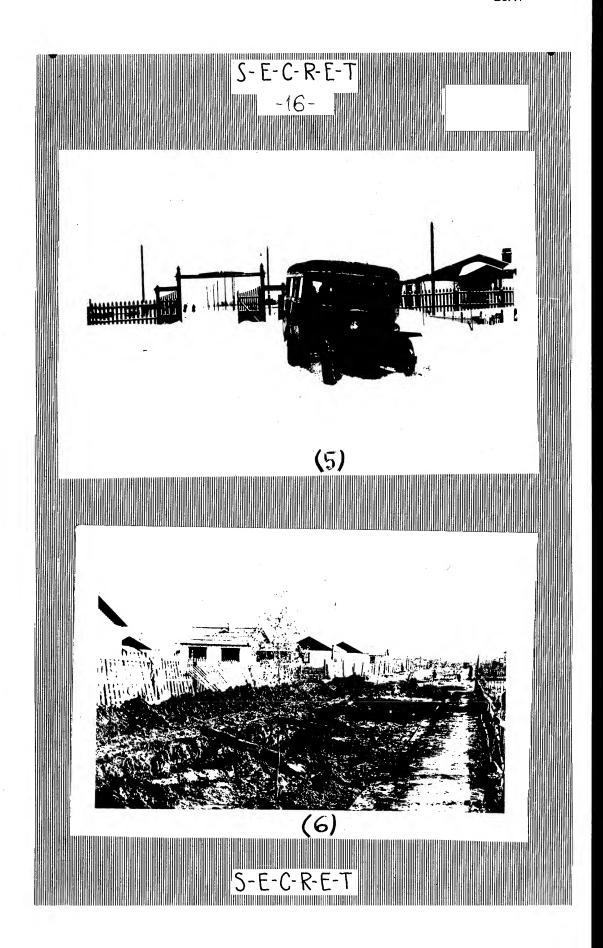


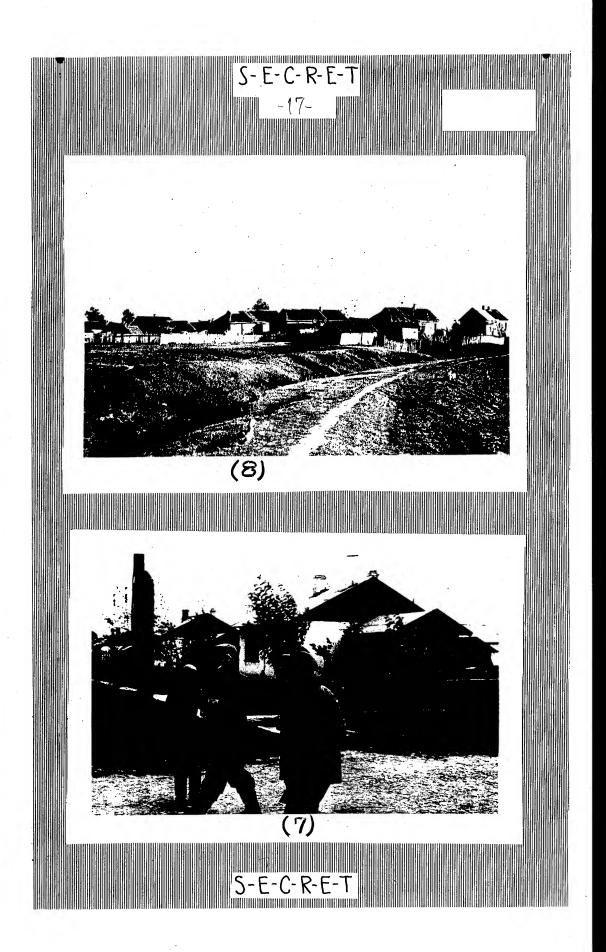
Sanitized Copy Approved for Release 2010/05/26 : CIA-RDP80T00246A032600090001-0

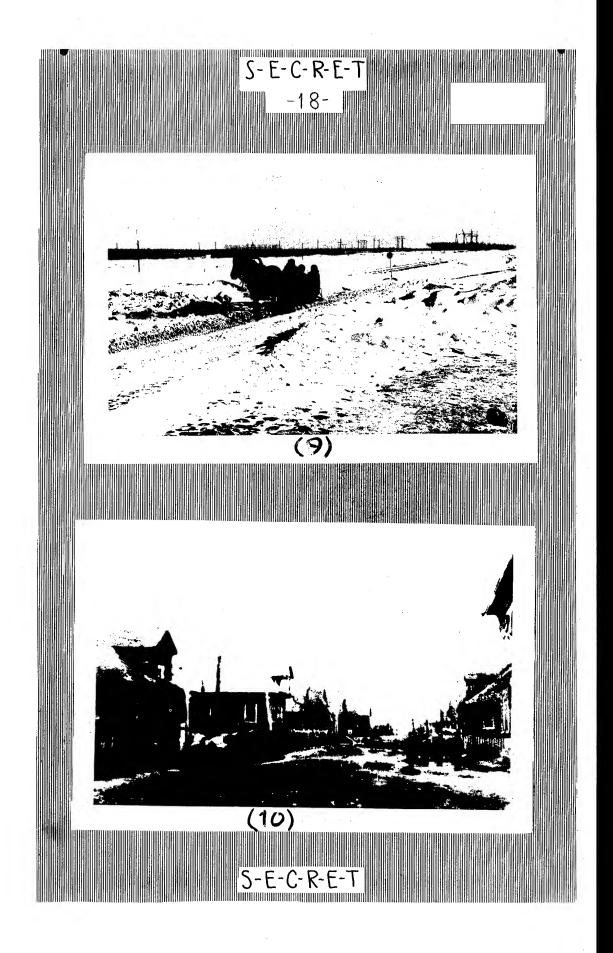


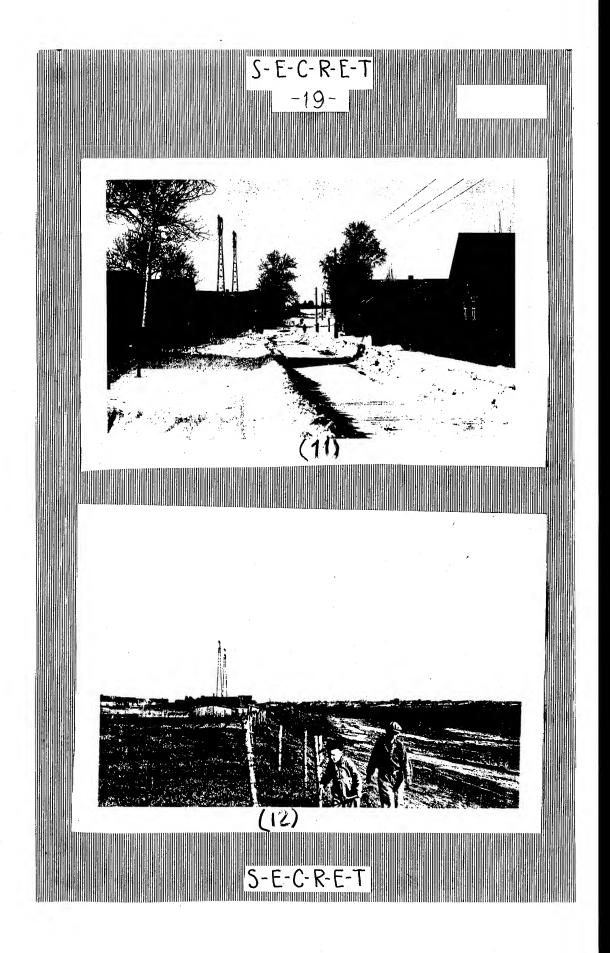


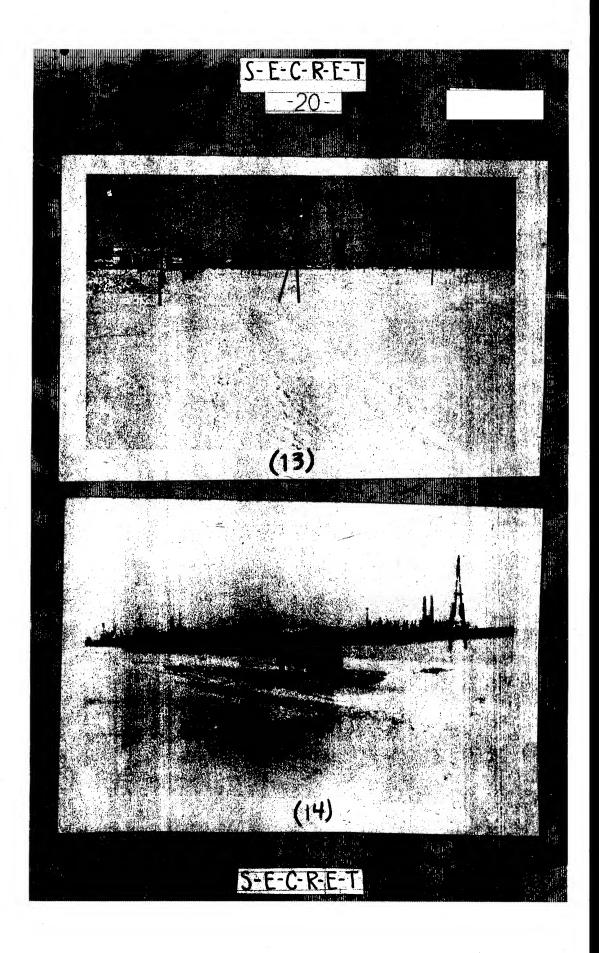


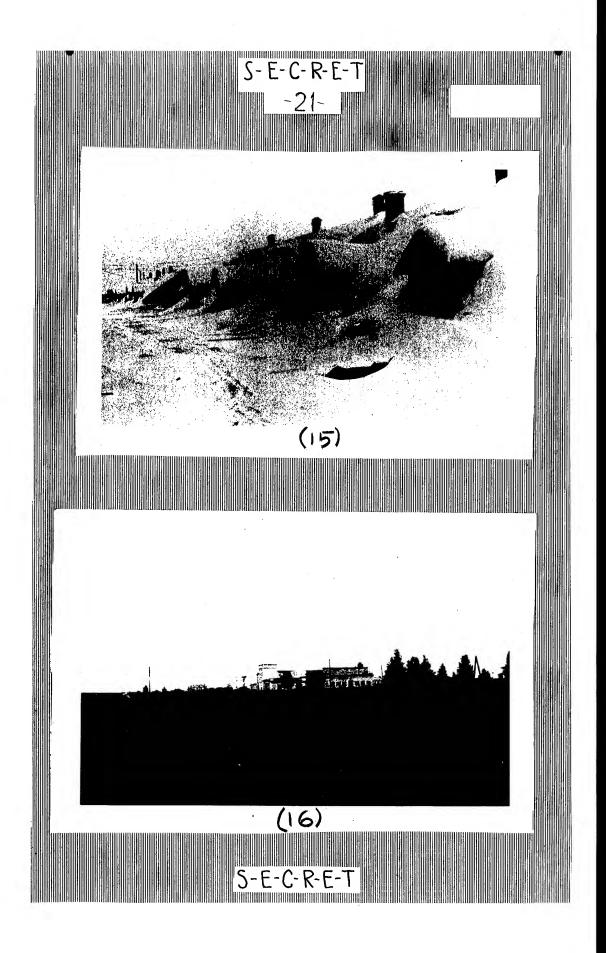












Sanitized Copy Approved for Release 2010/05/26 : CIA-RDP80T00246A032600090001-0

